

FIRST RECORD OF THE GENUS *TOLLIELLA* RIEDL (LEPIDOPTERA, COSMOPTERIGIDAE) IN CHINA, WITH DESCRIPTION OF ONE NEW SPECIES

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Abstract This paper reports the genus *Tolliella* Riedl for the first time in China. One new species, *Tolliella truncatula* sp. nov. is described from Henna, China. Images of the adult and the male genitalia are provided.

Key words Lepidoptera, Cosmopterigidae, *Tolliella*, new species, new record, China.

Tolliella Riedl, 1969 was established to accommodate *Stigmatophora fulguritella* Ragonot, the type species of the genus. It is a monotypic genus distributed in Middle East (Sinev, 2002; Koster & Sinev, 2003). This paper reports the genus for the first time in China and describes one new species based on the specimens collected in Henan Province. The type specimens are deposited in the Insect Collection, College of Life Sciences, Nankai University, Tianjin, China.

Tolliella Riedl, 1969 New record for China

Tolliella Riedl, 1969. *Polskie Pismo Entomologiczne*, 39 (4): 798.

Type species: *Stigmatophora fulguritella* Ragonot, 1895, by original designation.

Remarks. The genus *Tolliella* is characterized by the forewing having white fasciae and/or spots; the pleural lobes of the eighth abdominal segment more or less rounded, the right brachium longer than left one, the right valvella larger than left one, the valva subrectangular, the phallus dilated bulbously at base, and the cornutus absent in the male genitalia; the sterigma protruded and sclerotized, the ductus bursae and corpus bursae membranous, and the signum absent in the female genitalia.

Distribution. China, Middle East.

Tolliella truncatula sp. nov. (Figs. 1-2)

Diagnosis. The new species is similar to *Tolliella fulguritella* (Ragonot, 1895), but can be separated from it by the forewing lacking a short white stripe at base but having a large white costal spot before apex; the right brachium broadened distally and the valva truncate terminally in the male genitalia. In *Tolliella fulguritella* (Ragonot, 1895), the forewing has a short white stripe at base along fold and also has a narrow curved white fascia from costal 5/6 obliquely to tornus, but lacks a white spot before apex; the right brachium is slightly hooked distally and the valva is rounded terminally.

Holotype, China, Baotianman, Neixiang County (33°02'N, 111°50'E), Henan Province, 1350 m, 15 July 1998, coll. LI Hou-Hun, genitalia slide No. ZZW08085. **Paratype**: 1, Huaguoshan, Yiyang County (34°31'N, 112°10'E), Henan Province, 1000 m, 3 Aug. 2006, coll. KUANG Deng-Hui and ZHEN Hui.

Description. Adult (Fig. 1). Wing expanse 18.0 mm. Head blackish brown, frons white. Antenna blackish brown dorsally, deep yellow ventrally; scape with longitudinal white line anteriorly; flagellum annulate with yellowish white dorsally. Labial palpus with second segment deep yellow except yellowish white at base, brown on outer side, with longitudinal white line ventrally; third segment yellowish white, suffused with brown scales laterally. Thorax and tegula blackish brown except tegula white on outer margin. Forewing ochreous brown except a small area white at base; white fascia from costal 1/5 and 1/2 obliquely outward to dorsum and end of fold respectively; costal margin with a large white spot before apex, extending to cilia; apex white; cilia blackish brown. Hindwing and cilia blackish brown. Fore leg yellowish brown dorsally, blackish brown ventrally, femur with apex white on outer side, tibia white on outer side; mid leg deep yellowish brown, tibia white apically; hind leg yellowish brown, tibia annulated with white at middle and apex, tarsus black and white.

Male genitalia (Fig. 2). Left brachium of gnathos short triangular, acuminate at apex; right brachium much longer, about six times length of left one, narrowed and parallel-sided medially, broadened distally, blunt apically. Valvella triangular, right one slightly larger than left one, each with two long setae. Valva subrectangular, distal 2/5 densely setose, ventral margin slightly concave beyond middle, truncate terminally. Phallus with basal 3/4 dilated bulbously, distal 1/4 tubular, bent slightly.

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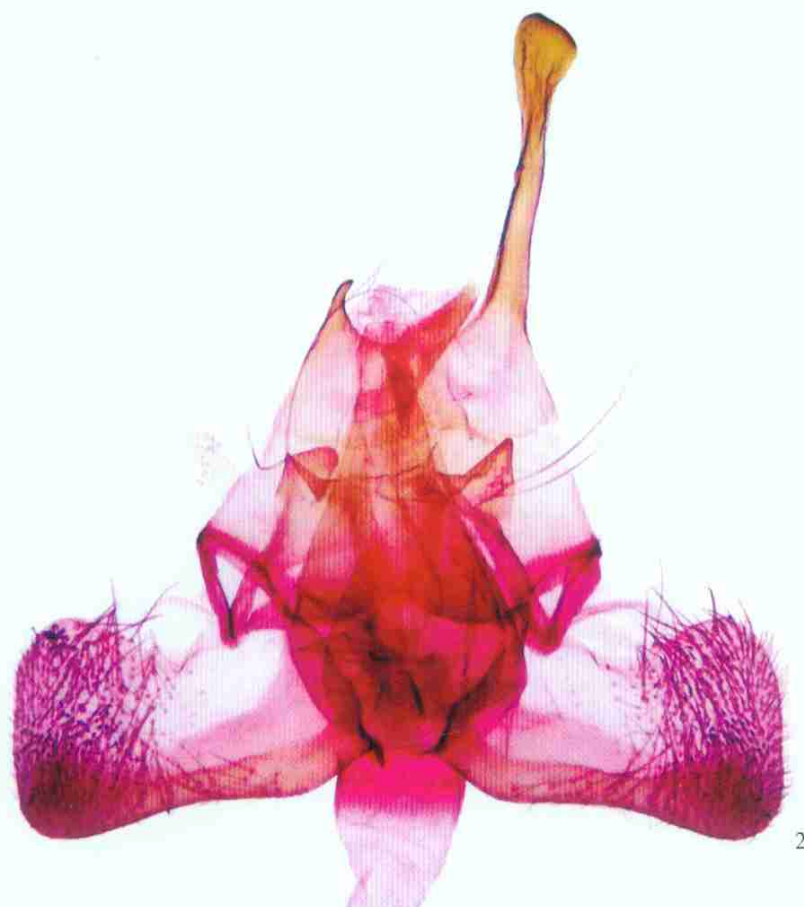
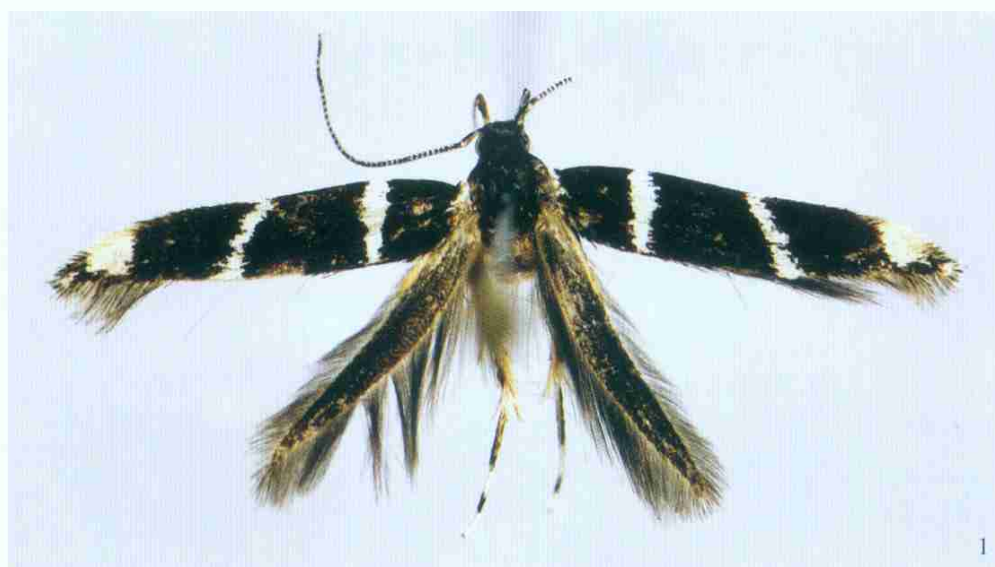
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Female. Unknown.

Latin *truncatulus*, in reference to the valva truncate terminally.

Etymology. The specific name is derived from the



Figs. 1-2. *Toliella truncatula* sp. nov. 1. Adult, holotype. 2 Male genitalia (slide No. ZZW08085).

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拓尖蛾属在中国的首次报道及一新种记述 (鳞翅目, 尖蛾科)

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摘要 首次报道拓尖蛾属 *Tolliella* Riedl, 1969 在中国的分布, 并记述 1 新种, 模式标本保存在南开大学生命科学学院昆虫标本室。

直拓尖蛾, 新种 *Tolliella truncatula* sp. nov. (图 1~2)

新种采自河南省内乡县宝天曼自然保护区, 与拓尖蛾 *Tolliella fulguritella* (Ragonot, 1895) 相似。但新种前翅基部无白

关键词 鳞翅目, 尖蛾科, 拓尖蛾属, 新种, 新纪录, 中国.
中图分类号 Q969.428.2

色短带, 前缘近顶角具 1 白色大斑; 雄性外生殖器颞形突右臂端部膨大, 抱器瓣末端近平直。拓尖蛾 *Tolliella fulguritella* (Ragonot, 1895) 前翅基部沿翅褶具白色短带, 有白色窄横带而非白色斑点从前缘 5/6 内斜至臀角; 雄性外生殖器颞形突右臂端部略呈钩状, 抱器瓣末端圆钝。

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